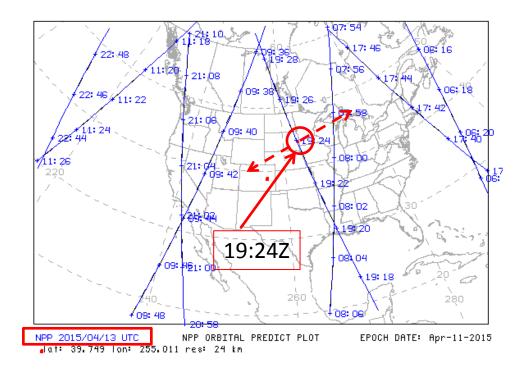
RAQMS 20150412 SONGNEX 54hr FX for 18Z April 13, 2015

S-NPP (CrIS) overpass on 2015/04/13 NUCAPS CO2, O3, CO, CH4 Validation Opportunity –*near western edge of swath*

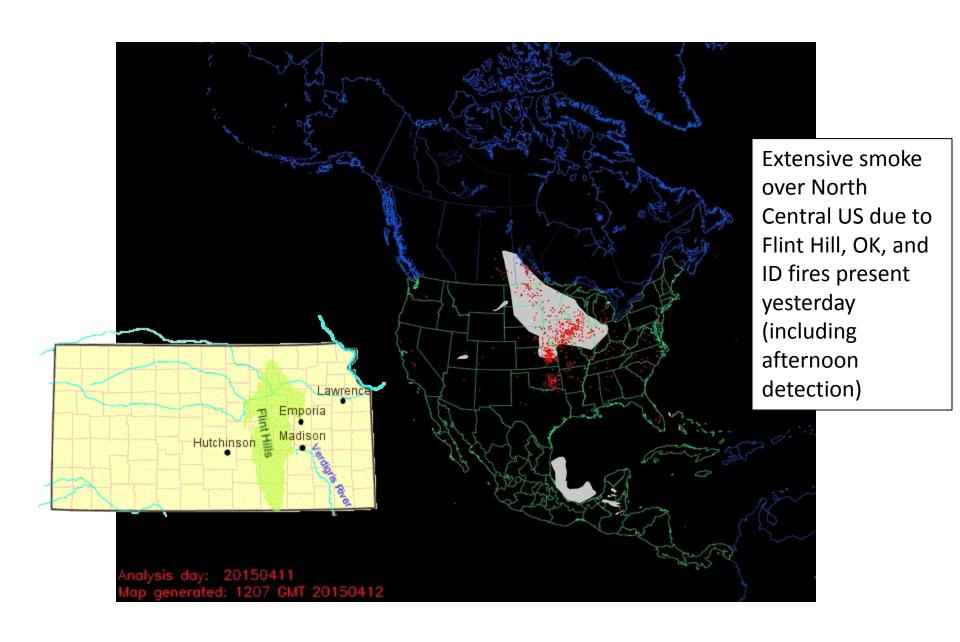
S-NPP overpass over Denver at 19:24Z (1:24pm Mountain)



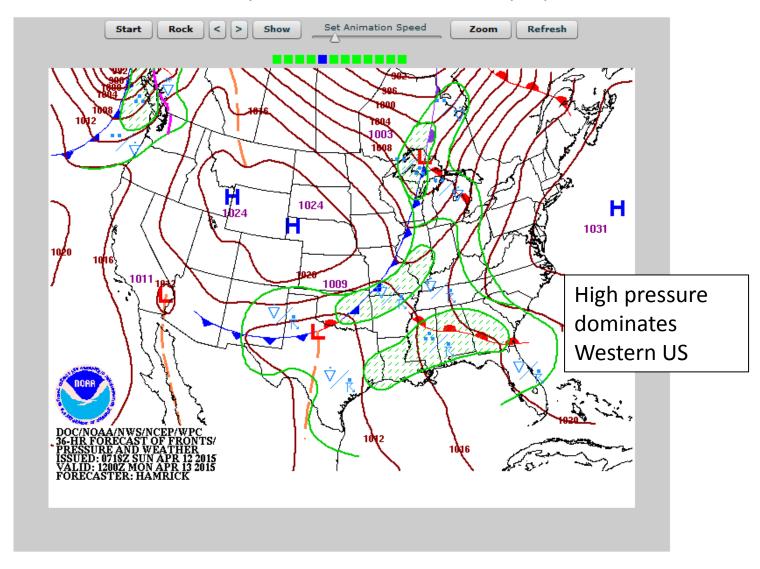
Approximate swath width

NESDIS Hazard Mapping System (HMS)

http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg

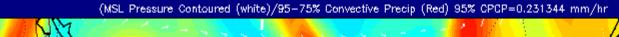


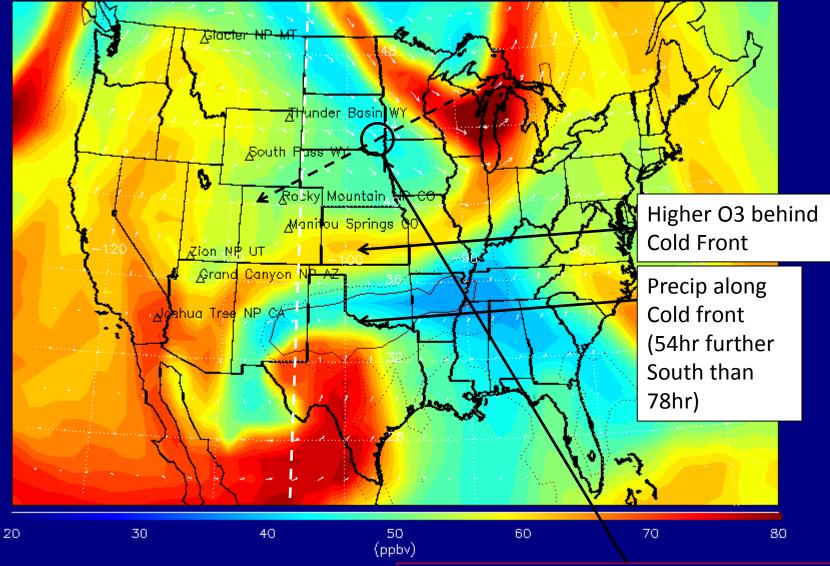
36hr NCEP/WPC forecast valid 12Z 04/13/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

 $05km O_3$ 18Z 20150413



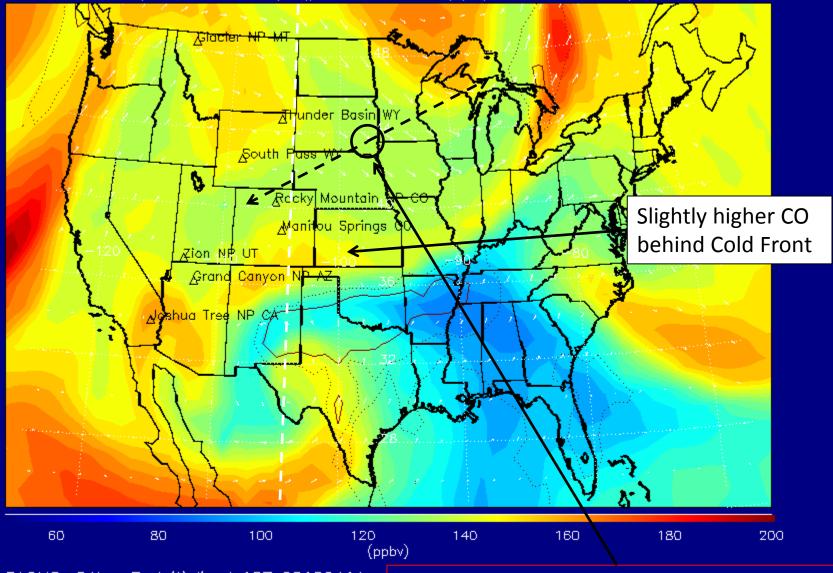


RAQMS_e 54hr Fx Initialized 12Z 20150411

Denver on western edge of S-NPP swath

05km CO 18Z 20150413

(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.231344 mm/hr

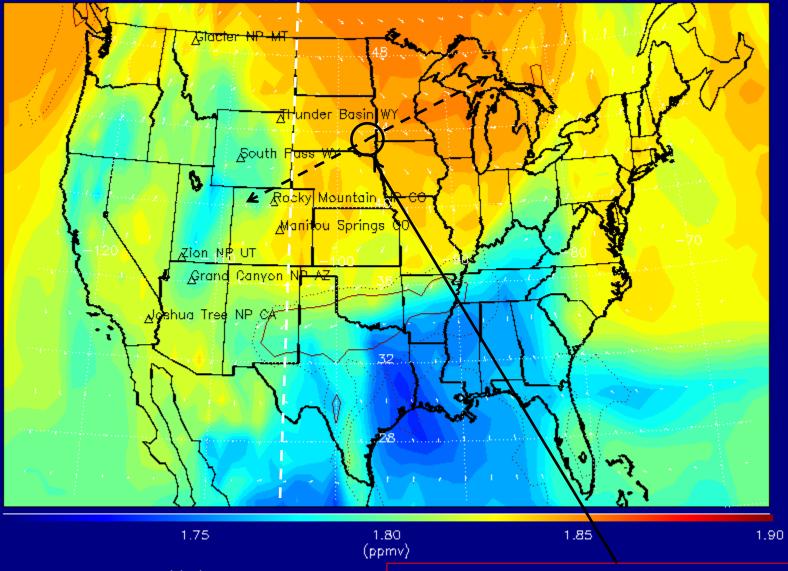


RAQMS_e 54hr Fx Initialized 12Z 20150411

Denver on western edge of S-NPP swath

01km AGL CH4 18Z 20150413

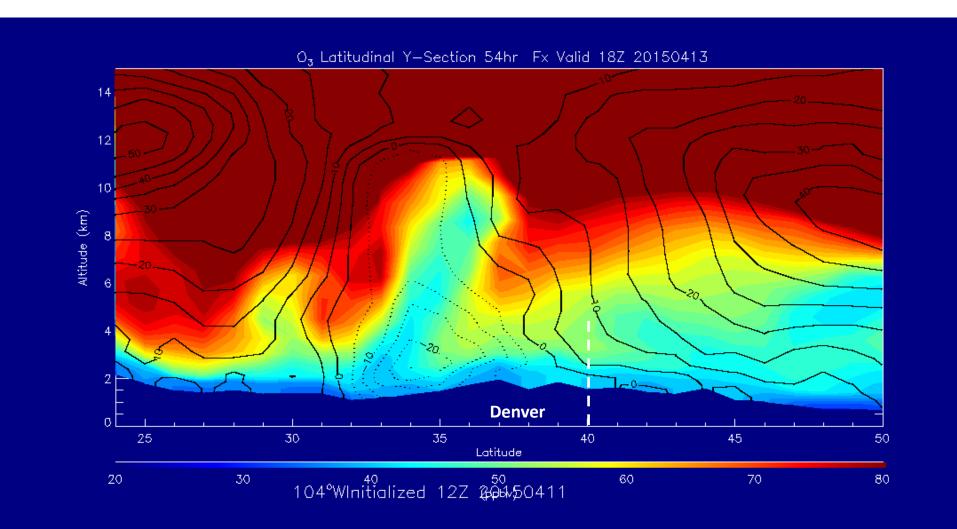
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.231344 mm/hr



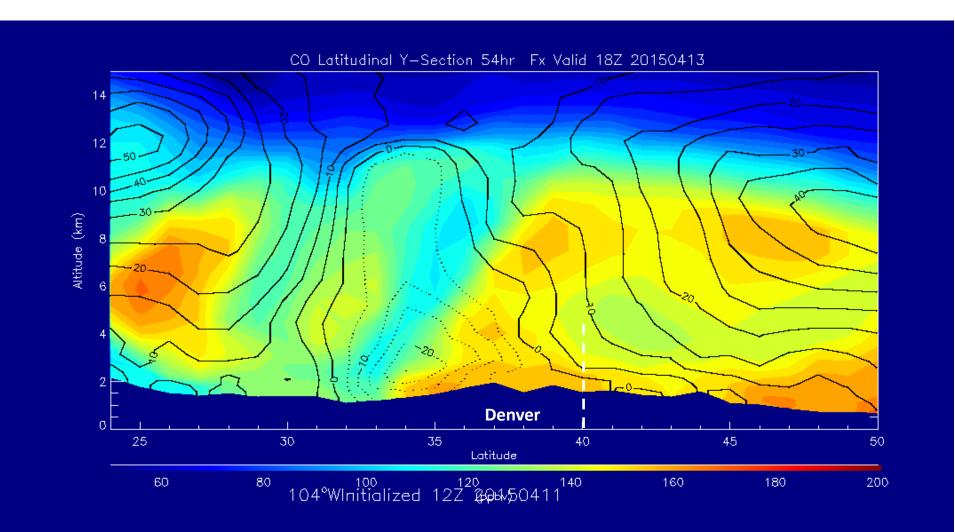
RAQMS_e 54hr Fx Initialized 12Z 20150411

Denver on western edge of S-NPP swath

RAQMS 54hr FX O3 Cross-section at 104W (Denver, CO)



RAQMS 54hr FX CO Cross-section at 104W (Denver, CO)



RAQMS 54hr FX CH4 Cross-section at 104W (Denver, CO)

